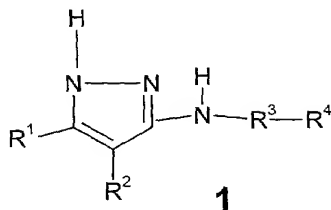


CLAIMS

What is claimed is:

1. A compound of the formula



5 wherein R¹ is a straight chain or branched (C₁-C₈)alkyl, a straight chain or branched (C₂-C₈)alkenyl, a straight chain or branched (C₂-C₈)alkynyl, (C₃-C₈)cycloalkyl, (C₄-C₈)cycloalkenyl, (3-8 membered) heterocycloalkyl, (C₅-C₁₁)bicycloalkyl, (C₇-C₁₁)bicycloalkenyl, or (5-11 membered) heterobicycloalkyl, and wherein R¹ is optionally substituted with from one to six substituents R⁵ independently selected from F, Cl, Br, I, nitro, cyano, -CF₃, -NR⁷R⁸, -NR⁷C(=O)R⁸, -NR⁷C(=O)OR⁸, -NR⁷C(=O)NR⁸R⁹, -NR⁷S(=O)₂R⁸, -NR⁷S(=O)₂NR⁸R⁹, -OR⁷, -OC(=O)R⁷, -OC(=O)OR⁷, -C(=O)OR⁷, -C(=O)R⁷, -C(=O)NR⁷R⁸, -OC(=O)NR⁷R⁸, -OC(=O)SR⁷, -SR⁷, -S(=O)R⁷, -S(=O)₂R⁷, -S(=O)₂NR⁷R⁸, and R⁷;

R² is H, F, -CH₃, -CN, or -C(=O)OR⁷;

R³ is -C(=O)NR⁹, -C(=O)O-, -C(=O)(CR¹⁰R¹¹)_n-, or -(CR¹⁰R¹¹)_n-;

15 R⁴ is a straight chain or a branched (C₁-C₈)alkyl, a straight chain or a branched (C₂-C₈)alkenyl, a straight chain or branched (C₂-C₈ alkynyl), (C₃-C₈)cycloalkyl, (C₄-C₈)cycloalkenyl, (3-8 membered) heterocycloalkyl, (C₅-C₁₁)bicycloalkyl, (C₇-C₁₁)bicycloalkenyl, (5-11 membered) heterobicycloalkyl, (C₆-C₁₄)aryl, or (5-14 membered) heteroaryl; and wherein R⁴ is optionally substituted with from one to three substituents R⁶ independently selected from F, Cl, Br, I, nitro, cyano, -CF₃, -NR⁷R⁸, -NR⁷C(=O)R⁸, -NR⁷C(=O)OR⁸, -NR⁷C(=O)NR⁸R⁹, -NR⁷S(=O)₂R⁸, -NR⁷S(=O)₂NR⁸R⁹, -OR⁷, -OC(=O)R⁷, -OC(=O)OR⁷, -C(=O)OR⁷, -C(=O)R⁷, -C(=O)NR⁷R⁸, -OC(=O)NR⁷R⁸, -OC(=O)SR⁷, -SR⁷, -S(=O)R⁷, -S(=O)₂R⁷, -S(=O)₂NR⁷R⁸, or R⁷;

20 each R⁷, R⁸, and R⁹ is independently selected from H, straight chain or branched (C₁-C₈)alkyl, straight chain or branched (C₂-C₈)alkenyl, straight chain or branched (C₂-C₈ alkynyl), (C₃-C₈)cycloalkyl, (C₄-C₈)cycloalkenyl, (3-8 membered) heterocycloalkyl, (C₅-C₁₁)bicycloalkyl, (C₇-C₁₁)bicycloalkenyl, (5-11 membered) heterobicycloalkyl, (C₆-C₁₄)aryl, and (5-14 membered) heteroaryl, wherein R⁷, R⁸, and R⁹ are each independently optionally substituted with from one to six substituents independently selected from F, Cl, Br, I, -NO₂, -CN, -CF₃, -NR¹⁰R¹¹, -NR¹⁰C(=O)R¹¹, -NR¹⁰C(=O)OR¹¹, -NR¹⁰C(=O)NR¹¹R¹², -NR¹⁰S(=O)₂R¹¹, -NR¹⁰S(=O)₂NR¹¹R¹², -OR¹⁰, -OC(=O)R¹⁰, -OC(=O)OR¹⁰, -OC(=O)NR¹⁰R¹¹, -OC(=O)SR¹⁰, -SR¹⁰, -S(=O)R¹⁰, -S(=O)₂R¹⁰, -S(=O)₂NR¹⁰R¹¹, -C(=O)R¹⁰, -C(=O)OR¹⁰, -C(=O)NR¹⁰R¹¹, and R¹⁰;

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or, when R^7 and R^8 are as in NR^7R^8 , they may instead optionally be connected to form with the nitrogen of NR^7R^8 to which they are attached a heterocycloalkyl moiety of from three to seven ring members, said heterocycloalkyl moiety optionally comprising one or two further heteroatoms independently selected from N, O, and S;

5 each R^{10} , R^{11} , and R^{12} is independently selected from H, straight chain or branched (C_1 - C_8)alkyl, straight chain or branched (C_2 - C_8)alkenyl, straight chain or branched (C_2 - C_8 alkynyl), (C_3 - C_8)cycloalkyl, (C_4 - C_8)cycloalkenyl, (3-8 membered) heterocycloalkyl, (C_5 - C_{11})bicycloalkyl, (C_7 - C_{11})bicycloalkenyl, (5-11 membered) heterobicycloalkyl, (C_6 - C_{14})aryl, and (5-14 membered) heteroaryl, wherein R^{10} , R^{11} , and R^{12} are each independently optionally substituted with from one
10 to six substituents independently selected from F, Cl, Br, I, NO_2 , -CN, - CF_3 , - $NR^{13}R^{14}$, - $NR^{13}C(=O)R^{14}$, - $NR^{13}C(=O)OR^{14}$, - $NR^{13}C(=O)NR^{14}R^{15}$, - $NR^{13}S(=O)_2R^{14}$, - $NR^{13}S(=O)_2NR^{14}R^{15}$, - OR^{13} , - $OC(=O)R^{13}$, - $OC(=O)OR^{13}$, - $OC(=O)NR^{13}R^{14}$, - $OC(=O)SR^{13}$, - SR^{13} , - $S(=O)R^{13}$, - $S(=O)_2R^{13}$, - $S(=O)_2NR^{13}R^{14}$, - $C(=O)R^{13}$, - $C(=O)OR^{13}$, - $C(=O)NR^{13}R^{14}$, and R^{13} ;

each R^{13} , R^{14} , and R^{15} is independently selected from H, straight chain or branched (C_1 -
15 C_8)alkyl, straight chain or branched (C_2 - C_8)alkenyl, straight chain or branched (C_2 - C_8 alkynyl), (C_3 - C_8)cycloalkyl, (C_4 - C_8)cycloalkenyl, (3-8 membered) heterocycloalkyl, (C_5 - C_{11})bicycloalkyl, (C_7 - C_{11})bicycloalkenyl, (5-11 membered) heterobicycloalkyl, (C_6 - C_{14})aryl, and (5-14 membered) heteroaryl, wherein R^{13} , R^{14} , and R^{15} are each independently optionally substituted with from one
20 to six substituents independently selected from F, Cl, Br, I, NO_2 , -CN, - CF_3 , - $NR^{16}R^{17}$, - $NR^{16}C(=O)R^{17}$, - $NR^{16}C(=O)OR^{17}$, - $NR^{16}C(=O)NR^{17}R^{18}$, - $NR^{16}S(=O)_2R^{17}$, - $NR^{16}S(=O)_2NR^{17}R^{18}$, - OR^{16} , - $OC(=O)R^{16}$, - $OC(=O)OR^{16}$, - $OC(=O)NR^{16}R^{17}$, - $OC(=O)SR^{16}$, - SR^{16} , - $S(=O)R^{16}$, - $S(=O)_2R^{16}$, - $S(=O)_2NR^{16}R^{17}$, - $C(=O)R^{16}$, - $C(=O)OR^{16}$, - $C(=O)NR^{16}R^{17}$, and R^{16}

each R^{16} , R^{17} , and R^{18} is independently selected from H, straight chain or branched (C_1 -
25 C_8)alkyl, straight chain or branched (C_2 - C_8)alkenyl, straight chain or branched (C_2 - C_8 alkynyl), (C_3 - C_8)cycloalkyl, (C_4 - C_8)cycloalkenyl, (3-8 membered) heterocycloalkyl, (C_5 - C_{11})bicycloalkyl, (C_7 - C_{11})bicycloalkenyl, (5-11 membered) heterobicycloalkyl, (C_6 - C_{14})aryl, and (5-14 membered) heteroaryl;

n is 0, 1, 2, or 3;

wherein R^{10} and R^{11} in $-C(=O)(CR^{10}R^{11})_n-$ and $-(CR^{10}R^{11})_n-$ are for each iteration of n
30 defined independently as recited above;

or a pharmaceutically acceptable salt thereof.

2. A compound according to claim 1, wherein R^3 is $-(CR^{10}R^{11})_n-$, -
 $C(=O)NH-$ or $-C(=O)(CR^{10}R^{11})_n-$.

3. A compound according to claim 2, wherein R^3 is $-(CR^{10}R^{11})_n-$ and n is
35 zero.

4. A compound according to claim 1, wherein R^1 is optionally substituted (C_3 - C_8)cycloalkyl or optionally substituted (C_5 - C_{11}) bicycloalkyl.

5. A compound according to claim 4, wherein R^1 is cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, or norbornyl, each optionally substituted.

5 6. A compound according to claim 5, wherein R^1 is optionally substituted with from one to three substituents independently selected from F, Cl, Br, I, nitro, cyano, $-CF_3$, $-NR^7R^8$, $-NR^7C(=O)R^8$, $-OR^7$, $-C(=O)OR^7$, $-C(=O)R^7$, and R^7 .

7. A compound according to claim 4, wherein R^1 is substituted with $-NR^7C(=O)R^8$, (C_6 - C_{14})aryl, (3-8 membered) heterocycloalkyl, or (5-14 membered) heteroaryl, and
10 wherein said aryl, heterocycloalkyl, and heteroaryl are each optionally substituted with from one to six substituents independently selected from F, Cl, Br, I, $-NO_2$, $-CN$, $-CF_3$, $-NR^{10}R^{11}$, $-NR^{10}C(=O)R^{11}$, $-NR^{10}C(=O)OR^{11}$, $-NR^{10}C(=O)NR^{11}R^{12}$, $-NR^{10}S(=O)_2R^{11}$, $-NR^{10}S(=O)_2NR^{11}R^{12}$, $-OR^{10}$, $-OC(=O)R^{10}$, $-OC(=O)OR^{10}$, $-OC(=O)NR^{10}R^{11}$, $-OC(=O)SR^{10}$, $-SR^{10}$, $-S(=O)R^{10}$, $-S(=O)_2R^{10}$, $-S(=O)_2NR^{10}R^{11}$, $-C(=O)R^{10}$, $-C(=O)OR^{10}$, $-C(=O)NR^{10}R^{11}$, and R^{10} .

15 8. A compound according to claim 4, wherein R^1 is optionally substituted bicyclo-[3.1.0]-hexyl.

9. A compound according to claim 1, wherein R^1 is optionally substituted straight chain or branched (C_1 - C_8)alkyl or optionally substituted straight chain or branched (C_2 - C_8)alkenyl.

20 10. A compound according to claim 1, wherein R^4 is (C_6 - C_{14})aryl or (5-14 membered) heteroaryl, each optionally substituted.

11. A compound according to claim 10, wherein R^4 is optionally substituted phenyl or optionally substituted pyridyl.

25 12. A compound according to claim 10, wherein R^4 is naphthyl, quinolyl, isoquinolyl, pyrimidinyl, pyrazinyl, or pyridazyl, each optionally substituted.

13. A compound according to claim 12, wherein R^4 is unsubstituted.

14. A compound according to claim 1 wherein R^2 is hydrogen.

15. A compound of claim 1, selected from the group consisting of:

- 30 (5-ethyl-2H-pyrazol-3-yl)-(6-methoxy-pyridin-2-yl)-amine;
(5-cyclobutyl-2H-pyrazol-3-yl)-(6-methoxy-pyridin-2-yl)-amine
(5-cyclobutyl-2H-pyrazol-3-yl)-naphthalen-2-yl-amine;
(5-cyclobutyl-2H-pyrazol-3-yl)-naphthalen-1-yl-amine;
N-(5-cyclobutyl-2H-pyrazol-3-yl)-N',N'-dimethyl-naphthalene-1,4-diamine;
N-(5-cyclobutyl-2H-pyrazol-3-yl)-N',N'-dimethyl-pyridine-2,6-diamine;
35 (5-cyclobutyl-2H-pyrazol-3-yl)-(6-trifluoromethyl-pyridin-2-yl)-amine;
(3-benzyloxy-phenyl)-(5-cyclobutyl-2H-pyrazol-3-yl)-amine;

- (5-cyclobutyl-2H-pyrazol-3-yl)-(3-trifluoromethyl-phenyl)-amine;
 N-(5-cyclobutyl-2H-pyrazol-3-yl)-N',N'-dimethyl-benzene-1,3-diamine;
 (5-cyclobutyl-2H-pyrazol-3-yl)-(3-methoxy-phenyl)-amine;
 (5-cyclobutyl-2H-pyrazol-3-yl)-(4-nitro-phenyl)-amine;
 5 (4-chloro-benzyl)-(5-cyclobutyl-2H-pyrazol-3-yl)-amine;
 (3-bromo-phenyl)-(5-cyclobutyl-2H-pyrazol-3-yl)-amine;
 (5-cyclobutyl-2H-pyrazol-3-yl)-quinolin-2-yl-amine;
 [5-(1,4-dioxo-spiro[4.4]non-7-yl)-1H-pyrazol-3-yl]-(3-trifluoromethyl-phenyl)-amine;
 (6-chloro-pyridin-2-yl)-(5-cyclobutyl-2H-pyrazol-3-yl)-amine;
 10 3-[5-(3-trifluoromethyl-phenylamino)-2H-pyrazol-3-yl]-cyclopentanone;
 (5-cyclobutyl-2H-pyrazol-3-yl)-(6-methoxy-4-methyl-quinolin-2-yl)-amine;
 (5-cyclobutyl-2H-pyrazol-3-yl)-(3-trifluoromethoxy-phenyl)-amine;
 (2-chloro-4-nitro-phenyl)-(5-cyclobutyl-2H-pyrazol-3-yl)-amine;
 3-*trans*-[5-(3-trifluoromethyl-phenylamino)-2H-pyrazol-3-yl]-cyclopentanol;
 15 (3,5-bis-trifluoromethyl-phenyl)-(5-cyclobutyl-2H-pyrazol-3-yl)-amine;
 [5-(3-*cis*-benzylamino-cyclopentyl)-1H-pyrazol-3-yl]-(3-trifluoromethyl-phenyl)-amine;
 {5-[3-*cis*-(4-methoxy-benzylamino)-cyclopentyl]-1H-pyrazol-3-yl}-(3-trifluoromethyl-phenyl)-amine;
 4-(5-cyclobutyl-2H-pyrazol-3-ylamino)-benzonitrile;
 20 (5-cyclobutyl-2H-pyrazol-3-yl)-(3-fluoro-phenyl)-amine;
 (5-cyclobutyl-2H-pyrazol-3-yl)-(3,5-dichloro-phenyl)-amine;
 (2-bromo-phenyl)-(5-cyclobutyl-2H-pyrazol-3-yl)-amine;
 N-{*cis*-3-[5-(3-trifluoromethyl-phenylamino)-2H-pyrazol-3-yl]-cyclopentyl}-acetamide;
 pyridin-2-yl-{3-*trans*-[5-(3-trifluoromethyl-phenylamino)-2H-pyrazol-3-yl]-cyclopentyl}-
 25 amine;
 (5-cyclobutyl-1H-pyrazol-3-yl)-(4-methoxy-phenyl)-amine;
 pyridine-2-carboxylic acid {3-[5-(3-trifluoromethyl-phenylamino)-2H-pyrazol-3-yl]-cyclopentyl}-amide;
 3-trifluoromethyl-N-{3-[5-(3-trifluoromethyl-phenylamino)-2H-pyrazol-3-yl]-cyclopentyl}-benzamide;
 30 cyclobutanecarboxylic acid {3-[5-(3-trifluoromethyl-phenylamino)-2H-pyrazol-3-yl]-cyclopentyl}-amide;
 2,2-dimethyl-N-{3-[5-(3-trifluoromethyl-phenylamino)-2H-pyrazol-3-yl]-cyclopentyl}-propionamide;
 35 4-fluoro-N-{3-[5-(3-trifluoromethyl-phenylamino)-2H-pyrazol-3-yl]-cyclopentyl}-benzamide;

- 2,2,2-trifluoro-N-{3-[5-(3-trifluoromethyl-phenylamino)-2H-pyrazol-3-yl]-cyclopentyl}-acetamide;
- cyclopropanecarboxylic acid {3-[5-(3-trifluoromethyl-phenylamino)-2H-pyrazol-3-yl]-cyclopentyl}-amide;
- 5 N-{3-[5-(3-trifluoromethyl-phenylamino)-2H-pyrazol-3-yl]-cyclopentyl}-propionamide;
- cyclohexanecarboxylic acid {3-[5-(3-trifluoromethyl-phenylamino)-2H-pyrazol-3-yl]-cyclopentyl}-amide;
- N-[5-(3-acetylamino-cyclopentyl)-2H-pyrazol-3-yl]-2-naphthalen-1-yl-acetamide;
- cyclopropanecarboxylic acid {3-[5-(2-naphthalen-1-yl-acetylamino)-1H-pyrazol-3-yl]-cyclopentyl}-amide;
- 10 2-naphthalen-1-yl-N-{5-[3-(2,2,2-trifluoro-acetylamino)-cyclopentyl]-2H-pyrazol-3-yl}-acetamide;
- N-{3-[5-(2-naphthalen-1-yl-acetylamino)-1H-pyrazol-3-yl]-cyclopentyl}-benzamide;
- N-(5-hydroxymethyl-1H-pyrazol-3-yl)-2-naphthalen-1-yl-acetamide;
- 15 2-naphthalen-1-yl-N-[5-(thiazol-2-ylaminomethyl)-1H-pyrazol-3-yl]-acetamide;
- N-[5-((1S)-hydroxy-ethyl)-2H-pyrazol-3-yl]-2-naphthalen-1-yl-acetamide;
- N-[5-[(1S)-(benzoxazol-2-yloxy)-ethyl]-1H-pyrazol-3-yl]-2-naphthalen-1-yl-acetamide;
- N-[5-[(1S)-(benzothiazol-2-yloxy)-ethyl]-1H-pyrazol-3-yl]-2-naphthalen-1-yl-
- 20 acetamide;
- N-[5-(3-hydroxy-1-methyl-propyl)-1H-pyrazol-3-yl]-2-naphthalen-1-yl-acetamide;
- N-[5-(benzothiazol-2-yloxymethyl)-1H-pyrazol-3-yl]-2-naphthalen-1-yl-acetamide;
- N-[5-[3-(benzothiazol-2-yloxy)-1-methyl-propyl]-1H-pyrazol-3-yl]-2-naphthalen-1-yl-
- acetamide;
- 25 N-[5-(2-hydroxy-(1S)-methyl-ethyl)-2H-pyrazol-3-yl]-2-naphthalen-1-yl-acetamide;
- N-[5-[(1R)-(benzothiazol-2-yloxy)-ethyl]-1H-pyrazol-3-yl]-2-naphthalen-1-yl-
- acetamide;
- N-[5-(3-acetylamino-1-methyl-propyl)-1H-pyrazol-3-yl]-2-naphthalen-1-yl-acetamide;
- 3-methoxy-N-{*cis*-3-[5-(2-naphthalen-1-yl-acetylamino)-2H-pyrazol-3-yl]-cyclobutyl}-
- 30 benzamide;
- N-[5-(*cis*-3-acetylamino-cyclobutyl)-1H-pyrazol-3-yl]-2-naphthalen-1-yl-acetamide;
- N-{*cis*-3-[5-(2-naphthalen-1-yl-acetylamino)-2H-pyrazol-3-yl]-cyclobutyl}-benzamide;
- 2-cyclopropyl-N-{*cis*-3-[5-(2-naphthalen-1-yl-acetylamino)-2H-pyrazol-3-yl]-cyclobutyl}-acetamide;
- 35 6-chloro-pyridine-2-carboxylic acid {*cis*-3-[5-(2-naphthalen-1-yl-acetylamino)-2H-pyrazol-3-yl]-cyclobutyl}-amide;

- quinoline-2-carboxylic acid {*cis*-3-[5-(2-naphthalen-1-yl-acetylamino)-2H-pyrazol-3-yl]-cyclobutyl}-amide;
- pyrazine-2-carboxylic acid {*cis*-3-[5-(2-naphthalen-1-yl-acetylamino)-2H-pyrazol-3-yl]-cyclobutyl}-amide;
- 5 4-methoxy-N-{*cis*-3-[5-(2-naphthalen-1-yl-acetylamino)-2H-pyrazol-3-yl]-cyclobutyl}-benzamide;
- N-{*cis*-3-[5-(2-naphthalen-1-yl-acetylamino)-2H-pyrazol-3-yl]-cyclobutyl}-3-nitro-benzamide;
- N-{*cis*-3-[5-(2-naphthalen-1-yl-acetylamino)-2H-pyrazol-3-yl]-cyclobutyl}-3-
- 10 trifluoromethyl-benzamide;
- N-{*cis*-3-[5-(2-naphthalen-1-yl-acetylamino)-2H-pyrazol-3-yl]-cyclobutyl}-isobutyramide;
- 2-phenyl-cyclopropanecarboxylic acid {*cis*-3-[5-(2-naphthalen-1-yl-acetylamino)-2H-pyrazol-3-yl]-cyclobutyl}-amide;
- 15 N-[5-{*cis*-3-(benzooxazol-2-yloxy)-cyclobutyl}-1H-pyrazol-3-yl]-2-naphthalen-1-yl-acetamide;
- 4-dimethylamino-N-{*cis*-3-[5-(2-naphthalen-1-yl-acetylamino)-2H-pyrazol-3-yl]-cyclobutyl}-benzamide;
- 3,5-dimethoxy-N-{*cis*-3-[5-(2-naphthalen-1-yl-acetylamino)-2H-pyrazol-3-yl]-cyclobutyl}-benzamide;
- 20 2-naphthalen-1-yl-N-[5-{*cis*-3-phenyl-cyclobutyl}-2H-pyrazol-3-yl]-acetamide;
- N-[5-{*cis*-3-(3-methoxy-phenyl)-cyclobutyl}-2H-pyrazol-3-yl]-2-naphthalen-1-yl-acetamide;
- N-[5-{*cis*-3-(2-methoxy-phenyl)-cyclobutyl}-2H-pyrazol-3-yl]-2-naphthalen-1-yl-
- 25 acetamide;
- N-[5-{*cis*-3-(4-methoxy-phenyl)-cyclobutyl}-2H-pyrazol-3-yl]-2-naphthalen-1-yl-acetamide;
- 2-naphthalen-1-yl-N-[5-{*cis*-3-*p*-tolyl-cyclobutyl}-2H-pyrazol-3-yl]-acetamide;
- N-[5-{*cis*-3-(4-chloro-phenyl)-cyclobutyl}-2H-pyrazol-3-yl]-2-naphthalen-1-yl-
- 30 acetamide;
- 2-(4-methoxy-phenyl)-N-[5-{*cis*-3-(2-methoxy-phenyl)-cyclobutyl}-2H-pyrazol-3-yl]-acetamide;
- N-[5-{*cis*-3-(2-methoxy-phenyl)-cyclobutyl}-2H-pyrazol-3-yl]-2-quinolin-6-yl-acetamide;
- N-[5-{*cis*-3-(2-methoxy-phenyl)-cyclobutyl}-2H-pyrazol-3-yl]-2-phenyl-acetamide;
- 35 N-[5-{*cis*-3-(2-methoxy-phenyl)-cyclobutyl}-2H-pyrazol-3-yl]-2-pyridin-3-yl-acetamide;
- N-[5-{*cis*-3-(4-methoxy-phenyl)-cyclobutyl}-1H-pyrazol-3-yl]-2-quinolin-6-yl-acetamide;

- 2-quinolin-6-yl-N-[5-(*cis*-3-*p*-tolyl-cyclobutyl)-1H-pyrazol-3-yl]-acetamide;
N-{5-[*cis*-3-(4-fluoro-phenyl)-cyclobutyl]-1H-pyrazol-3-yl}-2-quinolin-6-yl-acetamide;
N-{5-[*cis*-3-(4-chloro-phenyl)-cyclobutyl]-1H-pyrazol-3-yl}-2-quinolin-6-yl-acetamide;
2-quinolin-6-yl-N-[5-(*cis*-3-*m*-tolyl-cyclobutyl)-1H-pyrazol-3-yl]-acetamide;
5 4-dimethylamino-N-{*cis*-3-[5-(2-naphthalen-1-yl-acetylamino)-2H-pyrazol-3-yl]-
cyclobutyl}-benzamide;
2-naphthalen-1-yl-N-{5-[*cis*-3-(pyridin-2-yloxy)-cyclobutyl]-1H-pyrazol-3-yl}-acetamide;
6-methyl-pyridine-2-carboxylic acid {*cis*-3-[5-(2-naphthalen-1-yl-acetylamino)-2H-
pyrazol-3-yl]-cyclobutyl}-amide;
10 2-phenyl-cyclopropanecarboxylic acid methyl-{*cis*-3-[5-(2-naphthalen-1-yl-
acetylamino)-2H-pyrazol-3-yl]-cyclobutyl}-amide;
N-{5-[*cis*-3-(3-methyl-pyrazin-2-yloxy)-cyclobutyl]-1H-pyrazol-3-yl}-2-naphthalen-1-yl-
acetamide;
{5-[*cis*-3-(2-methoxy-phenyl)-cyclobutyl]-1H-pyrazol-3-yl}-(6-methoxy-pyridin-2-yl)-
15 amine;
N-{5-[*cis*-3-(3,6-dimethyl-pyrazin-2-yloxy)-cyclobutyl]-1H-pyrazol-3-yl}-2-naphthalen-
1-yl-acetamide;
N-{5-[*cis*-3-(3-methoxy-pyridin-2-yloxy)-cyclobutyl]-1H-pyrazol-3-yl}-2-naphthalen-1-
yl-acetamide;
20 2-methyl-cyclopropanecarboxylic acid {*cis*-3-[5-(2-naphthalen-1-yl-acetylamino)-2H-
pyrazol-3-yl]-cyclobutyl}-amide;
2-naphthalen-1-yl-N-{5-[*cis*-3-(3-trifluoromethyl-pyridin-2-yloxy)-cyclobutyl]-1H-
pyrazol-3-yl}-acetamide;
2-naphthalen-1-yl-N-{5-[*cis*-3-(3-nitro-pyridin-2-yloxy)-cyclobutyl]-1H-pyrazol-3-yl}-
25 acetamide;
N-{5-[*cis*-3-(benzothiazol-2-yloxy)-cyclobutyl]-1H-pyrazol-3-yl}-2-naphthalen-1-yl-
acetamide;
2-naphthalen-1-yl-N-{5-[*cis*-3-(4-trifluoromethyl-pyrimidin-2-yloxy)-cyclobutyl]-1H-
pyrazol-3-yl}-acetamide;
30 2-naphthalen-1-yl-N-{5-[3-(5-nitro-pyridin-2-yloxy)-cyclobutyl]-1H-pyrazol-3-yl}-
acetamide;
2-naphthalen-1-yl-N-{5-[3-(pyrimidin-2-yloxy)-cyclobutyl]-1H-pyrazol-3-yl}-acetamide;
2-naphthalen-1-yl-N-{5-[3-(5-trifluoromethyl-pyridin-2-yloxy)-cyclobutyl]-1H-pyrazol-3-
yl}-acetamide;
35 N-{5-[3-(6-methoxy-pyridazin-3-yloxy)-cyclobutyl]-1H-pyrazol-3-yl}-2-naphthalen-1-yl-
acetamide;

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- 2-naphthalen-1-yl-N-{5-[3-(pyrazin-2-yloxy)-cyclobutyl]-1H-pyrazol-3-yl}-acetamide;
N-{5-[3-(6-methyl-pyridin-2-yloxy)-cyclobutyl]-1H-pyrazol-3-yl}-2-naphthalen-1-yl-
acetamide;
N-{5-[3-(6-chloro-benzothiazol-2-yloxy)-cyclobutyl]-1H-pyrazol-3-yl}-2-naphthalen-1-
5 yl-acetamide;
N-{5-[3-(6-methoxy-benzothiazol-2-yloxy)-cyclobutyl]-1H-pyrazol-3-yl}-2-naphthalen-
1-yl-acetamide;
N-{5-[*cis*-3-(4-Hydroxy-phenyl)-cyclobutyl]-1H-pyrazol-3-yl}-2-quinolin-6-yl-acetamide;
N-{5-[*cis*-3-(3-Hydroxy-phenyl)-cyclobutyl]-1H-pyrazol-3-yl}-2-quinolin-6-yl-acetamide;
10 2-Naphthalen-1-yl-N-[5-(*cis*-3-pyridin-3-yl-cyclobutyl)-2H-pyrazol-3-yl]-acetamide;
N-[5-(*cis*-3-Naphthalen-2-yl-cyclobutyl)-2H-pyrazol-3-yl]-2-pyridin-3-yl-acetamide;
N-(5-Indan-2-yl-1H-pyrazol-3-yl)-2-quinolin-6-yl-acetamide;
N-[5-(*cis*-3-Pyridin-2-yl-cyclobutyl)-2H-pyrazol-3-yl]-2-quinolin-6-yl-acetamide;
N-[5-(*cis*-3-Pyridin-2-yl-cyclobutyl)-2H-pyrazol-3-yl]-2-quinolin-6-yl-acetamide;
15 2-(4-Methoxy-phenyl)-N-[5-(*cis*-3-pyridin-4-yl-cyclobutyl)-2H-pyrazol-3-yl]-acetamide;
N-{5-[3-(*cis*-2-Dimethylaminomethyl-phenyl)-cyclobutyl]-2H-pyrazol-3-yl}-2-(4-
methoxy-phenyl)-acetamide;
N-(5-{*cis*-3-[3-(2-Dimethylamino-ethoxy)-phenyl]-cyclobutyl}-2H-pyrazol-3-yl)-2-(4-
methoxy-phenyl)-acetamide;
20 N-[5-[*cis*-3-(2-Hydroxy-phenyl)-cyclobutyl]-2H-pyrazol-3-yl]-2-(4-methoxy-phenyl)-
acetamide;
N-(5-{*cis*-3-[2-(2-Dimethylamino-ethoxy)-phenyl]-cyclobutyl}-2H-pyrazol-3-yl)-2-(4-
methoxy-phenyl)-acetamide;
2-(4-Methoxy-phenyl)-N-[5-(*cis*-3-phenyl-cyclobutyl)-2H-pyrazol-3-yl]-acetamide;
25 N-[5-[*cis*-3-(2-Fluoro-phenyl)-cyclobutyl]-2H-pyrazol-3-yl]-2-(4-methoxy-phenyl)-
acetamide;
N-(5-{*cis*-3-[4-(Azetidin-3-yloxy)-phenyl]-cyclobutyl}-2H-pyrazol-3-yl)-2-(4-methoxy-
phenyl)-acetamide;
N-(5-{*cis*-3-[2-(Azetidin-3-yloxy)-phenyl]-cyclobutyl}-2H-pyrazol-3-yl)-2-(4-methoxy-
30 phenyl)-acetamide;
2-(4-Methoxy-phenyl)-N-[5-[*cis*-3-(2-methylsulfanyl-phenyl)-cyclobutyl]-2H-pyrazol-3-
yl]-acetamide;
N-[5-[*cis*-3-(2-Amino-phenyl)-cyclobutyl]-2H-pyrazol-3-yl]-2-(4-methoxy-phenyl)-
acetamide;
35 N-[5-[*cis*-3-(4-Cyano-phenyl)-cyclobutyl]-2H-pyrazol-3-yl]-2-(4-methoxy-phenyl)-
acetamide;

- N-{5-[*cis*-3-(2-Cyano-phenyl)-3-hydroxy-cyclobutyl]-2H-pyrazol-3-yl}-2-(4-methoxy-phenyl)-acetamide;
- N-{5-[*cis*-3-(2-Hydroxy-ethyl)-cyclobutyl]-1H-pyrazol-3-yl}-2-naphthalen-1-yl-acetamide;
- 5 N-{5-[*cis*-3-(3-Cyano-phenyl)-cyclobutyl]-2H-pyrazol-3-yl}-2-(4-methoxy-phenyl)-acetamide;
- N-{5-[*cis*-3-(2-Cyano-phenyl)-cyclobutyl]-2H-pyrazol-3-yl}-2-(4-methoxy-phenyl)-acetamide;
- 10 N-{5-[*cis*-3-(3-Amino-phenyl)-cyclobutyl]-2H-pyrazol-3-yl}-2-(4-methoxy-phenyl)-acetamide;
- 4-(*cis*-3-{5-[2-(4-Methoxy-phenyl)-acetylamino]-1H-pyrazol-3-yl}-cyclobutyl)-benzoic acid methyl ester;
- N-{5-[*cis*-3-(4-Hydroxymethyl-phenyl)-cyclobutyl]-2H-pyrazol-3-yl}-2-(4-methoxy-phenyl)-acetamide;
- 15 N-{5-[*cis*-3-(2-Hydroxy-phenyl)-cyclobutyl]-1H-pyrazol-3-yl}-2-phenyl-acetamide;
- N-{5-[*cis*-3-(2-Hydroxy-phenyl)-cyclobutyl]-1H-pyrazol-3-yl}-2-quinolin-6-yl-acetamide;
- N-{5-[*cis*-3-(2-Hydroxy-phenyl)-cyclobutyl]-1H-pyrazol-3-yl}-acetamide;
- Cyclopropanecarboxylic acid {5-[*cis*-3-(2-hydroxy-phenyl)-cyclobutyl]-1H-pyrazol-3-yl}-amide;
- 20 N-{5-[*cis*-3-(2-Hydroxy-phenyl)-cyclobutyl]-1H-pyrazol-3-yl}-isobutyramide;
- N-{5-[*cis*-3-(3-Aminomethyl-phenyl)-cyclobutyl]-2H-pyrazol-3-yl}-2-(4-methoxy-phenyl)-acetamide;
- N-{5-[*cis*-3-(3-Dimethylaminomethyl-phenyl)-cyclobutyl]-2H-pyrazol-3-yl}-2-(4-methoxy-phenyl)-acetamide;
- 25 3-(*cis*-3-{5-[2-(4-Methoxy-phenyl)-acetylamino]-1H-pyrazol-3-yl}-cyclobutyl)-benzoic acid methyl ester;
- N-{5-[*cis*-3-(3-Hydroxymethyl-phenyl)-cyclobutyl]-2H-pyrazol-3-yl}-2-(4-methoxy-phenyl)-acetamide;
- N-{5-[*cis*-3-[3-(1-Hydroxy-1-methyl-ethyl)-phenyl]-cyclobutyl]-2H-pyrazol-3-yl}-2-(4-methoxy-phenyl)-acetamide;
- 30 methoxy-phenyl)-acetamide;
- N-{5-[*cis*-3-(3-Ethylaminomethyl-phenyl)-cyclobutyl]-2H-pyrazol-3-yl}-2-(4-methoxy-phenyl)-acetamide;
- N-{5-[*cis*-3-(3-Cyclobutylaminomethyl-phenyl)-cyclobutyl]-2H-pyrazol-3-yl}-2-(4-methoxy-phenyl)-acetamide;
- 35 2-(4-Methoxy-phenyl)-N-{5-[*cis*-3-(3-propylaminomethyl-phenyl)-cyclobutyl]-2H-pyrazol-3-yl}-acetamide;

N-{5-[*cis*-3-(3-Cyclopentylaminomethyl-phenyl)-cyclobutyl]-2H-pyrazol-3-yl}-2-(4-methoxy-phenyl)-acetamide;

N-(5-{*cis*-3-[3-(Benzylamino-methyl)-phenyl]-cyclobutyl}-2H-pyrazol-3-yl)-2-(4-methoxy-phenyl)-acetamide;

5 2-(4-Methoxy-phenyl)-N-{5-[3-(3-methylaminomethyl-phenyl)-cyclobutyl]-2H-pyrazol-3-yl}-acetamide;

N-{5-[*cis*-3-(3-Cyclopropylaminomethyl-phenyl)-cyclobutyl]-2H-pyrazol-3-yl}-2-(4-methoxy-phenyl)-acetamide;

10 2-(4-Methoxy-phenyl)-N-{5-[*cis*-3-(3-pyrrolidin-1-ylmethyl-phenyl)-cyclobutyl]-2H-pyrazol-3-yl}-acetamide;

N-{5-[*cis*-3-(3-Diethylaminomethyl-phenyl)-cyclobutyl]-2H-pyrazol-3-yl}-2-(4-methoxy-phenyl)-acetamide;

N-{5-[*cis*-3-(3-Azetidin-1-ylmethyl-phenyl)-cyclobutyl]-2H-pyrazol-3-yl}-2-(4-methoxy-phenyl)-acetamide; and

15 pharmaceutically acceptable salts of the foregoing compounds.

16. A pharmaceutical composition for treating a) a disease or condition comprising abnormal cell growth; b) a neurodegenerative disease or condition; or c) a disease or condition the treatment of which can be effected or facilitated by inhibiting GSK-3, in a mammal comprising a compound of claim 1 in an amount effective in treating said disease or condition, and a pharmaceutically acceptable carrier.

17. A pharmaceutical composition for treating a disease or condition the treatment of which can be effected or facilitated by altering dopamine mediated neurotransmission in a mammal comprising a compound according to claim 1 in an amount effective in treating said disease or condition and a pharmaceutically acceptable carrier.

25 18. A pharmaceutical composition according to claim 17 wherein the disease or condition is selected from Parkinson's disease, schizophrenia, schizophreniform disorder, schizoaffective disorder, delusional disorder, substance-induced psychotic disorder, personality disorder of the paranoid type, personality disorder of the schizoid type, drug addiction, drug withdrawal, obsessive compulsive disorder, Tourette's syndrome, depression, a mood episode, post-stroke depression, major depressive disorder, dysthymic disorder, minor depressive disorder, premenstrual dysphoric disorder, post-psychotic depressive disorder of schizophrenia, a major depressive disorder superimposed on a psychotic disorder such as delusional disorder or schizophrenia, a bipolar disorder, anxiety; attention deficit and hyperactivity disorder; and attention deficit disorder.

19. A method for treating a disease or condition comprising abnormal cell growth in a mammal comprising administering to the mammal a compound of claim 1 in an amount effective in inhibiting abnormal cell growth.

20. A method according to claim 19, wherein the disease or condition comprising abnormal cell growth is cancer.

21. A method according to claim 19, for treating a disease or condition comprising abnormal cell growth in a mammal, wherein the disease or condition is selected from benign prostate hyperplasia, familial adenomatosis polyposis, neuro-fibromatosis, atherosclerosis, pulmonary fibrosis, arthritis, psoriasis, glomerulonephritis, restenosis, hypertrophic scar formation, inflammatory bowel disease, transplantation rejection, fungal infection, and endotoxic shock.

22. A method for treating a diseases or condition comprising abnormal cell growth in a mammal comprising administering to the mammal a compound of claim 1 in an amount effective to inhibit cdk2 activity.

23. A method according to claim 22, wherein the disease or condition comprising abnormal cell growth is cancer.

24. A method according to claim 22, for treating a disease or condition comprising abnormal cell growth in a mammal, wherein the disease or condition is selected from benign prostate hyperplasia, familial adenomatosis polyposis, neuro-fibromatosis, atherosclerosis, pulmonary fibrosis, arthritis, psoriasis, glomerulonephritis, restenosis, hypertrophic scar formation, inflammatory bowel disease, transplantation rejection, fungal infection, and endotoxic shock.

25. A method for treating a neurodegenerative disease or condition in a mammal comprising administering to the mammal a compound of claim 1 in an amount effective in treating said disease or condition.

26. A method according to claim 25 wherein the neurodegenerative disease or condition is selected from Huntington's disease, stroke, spinal cord trauma, traumatic brain injury, multiinfarct dementia, epilepsy, amyotrophic lateral sclerosis, pain, viral induced dementia for example AIDS induced dementia, neurodegeneration associated with bacterial infection, migraine, hypoglycemia, urinary incontinence, brain ischemia, multiple sclerosis, Alzheimer's disease, senile dementia of the Alzheimer's type, mild cognitive impairment, age-related cognitive decline, emesis, corticobasal degeneration, dementia pugilistica, Down's syndrome, myotonic dystrophy, Niemann-Pick disease, Pick's disease, prion disease with tangles, progressive supranuclear palsy, lower lateral sclerosis, and subacute sclerosing panencephalitis.

27. A method for treating a disease or condition the treatment of which can be effected or facilitated by altering dopamine mediated neurotransmission in a mammal comprising administering to the mammal a compound according to claim 1 in an amount effective in treating said disease or condition.

5 28. A method according to claim 27 wherein the disease or condition is selected from Parkinson's disease, schizophrenia, schizophreniform disorder, schizoaffective disorder, delusional disorder, substance-induced psychotic disorder, personality disorder of the paranoid type, personality disorder of the schizoid type, drug addiction, drug withdrawal, obsessive compulsive disorder, Tourette's syndrome, depression, a mood episode, post-stroke depression, major depressive disorder, dysthymic disorder, minor depressive disorder, premenstrual dysphoric disorder, post-psychotic depressive disorder of schizophrenia, a major depressive disorder superimposed on a psychotic disorder such as delusional disorder or schizophrenia, a bipolar disorder, anxiety; attention deficit and hyperactivity disorder; and attention deficit disorder.

10 29. A method for treating in a mammal a disease or condition selected from male fertility and sperm motility; diabetes mellitus; impaired glucose tolerance; metabolic syndrome or syndrome X; polycystic ovary syndrome; adipogenesis and obesity; myogenesis and frailty, for example age-related decline in physical performance; acute sarcopenia, for example muscle atrophy and/or cachexia associated with burns, bed rest, limb immobilization, or major thoracic, abdominal, and/or orthopedic surgery; sepsis; hair loss, hair thinning, and balding; and immunodeficiency; which method comprises administering to said mammal an amount of a compound according to claim 1 effective in treating said disease or condition.

15 30. A method for inhibiting GSK-3 in a mammal, which method comprises administering to said mammal an amount of a compound according to claim 1 effective in inhibiting GSK-3.

25 31. A pharmaceutical composition for treating depression or anxiety in a mammal comprising a compound according to claim 1 and

- 30 a) an NK-1 receptor antagonist;
b) a 5HT_{1D} receptor antagonist; or
c) an SSRI;

wherein the compound according to claim 1 and a), b), or c) are together in an amount effective in treating depression or anxiety, and a pharmaceutically acceptable carrier.

32. A method for treating depression or anxiety in a mammal which method comprises administering to said mammal a compound according to claim 1 and

- 35 a) an NK-1 receptor antagonist;
b) a 5HT_{1D} receptor antagonist; or

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c) an SSRI;

wherein the combined amounts of the compound of claim 1 and a), b), or c) are effective in treating depression or anxiety.

33. A pharmaceutical composition for treating schizophrenia in a mammal comprising a compound according to claim 1 and as antipsychotic selected from ziprasidone, olanzapine, risperidone, L-745870, sonopiprazole, RP 62203, NGD 941, balaperidone, flesinoxan, and gepirone, together in an amount effective in treating schizophrenia, and a pharmaceutically acceptable carrier.

34. A method of treating schizophrenia in a mammal which method comprises administering to said mammal a compound according to claim 1 and an antipsychotic selected from ziprasidone, olanzapine, risperidone, L-745870, sonopiprazole, RP 62203, NGD 941, balaperidone, flesinoxan, and gepirone, wherein the combined amounts of the compound of claim 1 and the antipsychotic are effective in treating schizophrenia.

35. A pharmaceutical composition for treating a disorder selected from Alzheimer's disease, mild cognitive impairment, and age-related cognitive decline in a mammal comprising a compound according to claim 1 and an acetylcholinesterase inhibitor together in an amount effective in treating said disorder, and a pharmaceutically acceptable carrier.

36. A method for treating in a mammal a disorder selected from Alzheimer's disease, mild cognitive impairment, and age-related cognitive decline, which method comprises administering to said mammal a compound according to claim 1 and an acetylcholinesterase inhibitor, wherein the combined amounts of the compound of claim 1 and the acetylcholinesterase inhibitor are effective in treating said disorder.

37. A pharmaceutical composition for treating a disease or condition selected from stroke, spinal cord trauma, traumatic brain injury, multiinfarct dementia, epilepsy, pain, Alzheimer's disease, and senile dementia in a mammal comprising a compound of claim 1 and

a) TPA; or

b) NIF;

wherein the compound of claim 1 and TPA or NIF are together in an amount effective in treating said disorder, and a pharmaceutically acceptable carrier.

38. A method for treating in a mammal a disease or condition selected from stroke, spinal cord trauma, traumatic brain injury, multiinfarct dementia, epilepsy, pain, Alzheimer's disease, and senile dementia, which method comprises administering to said mammal a compound of claim 1 and

a) TPA; or

b) NIF;

wherein the combined amounts of the compound of claim 1 and TPA or NIF are effective in treating said disease or condition.

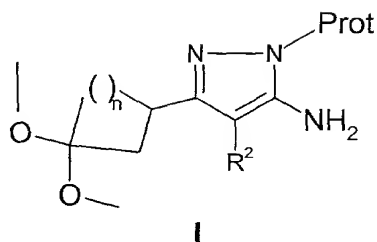
39. A pharmaceutical composition for treating a disease or condition selected from Huntington's disease, stroke, spinal cord trauma, traumatic brain injury, multiinfarct dementia, epilepsy, amyotrophic lateral sclerosis, pain, viral induced dementia for example AIDS induced dementia, migraine, hypoglycemia, urinary incontinence, brain ischemia, multiple sclerosis, Alzheimer's disease, senile dementia of the Alzheimer's type, mild cognitive impairment, age-related cognitive decline, emesis, corticobasal degeneration, dementia pugilistica, Down's syndrome, myotonic dystrophy, Niemann-Pick disease, Pick's disease, prion disease with tangles, progressive supranuclear palsy, lower lateral sclerosis, and subacute sclerosing panencephalitis in a mammal comprising a compound of claim 1 and an NMDA receptor antagonist together in an amount effective in treating said disorder, and a pharmaceutically acceptable carrier.

40. A method for treating in a mammal a disease or condition selected from Huntington's disease, stroke, spinal cord trauma, traumatic brain injury, multiinfarct dementia, epilepsy, amyotrophic lateral sclerosis, pain, viral induced dementia for example AIDS induced dementia, migraine, hypoglycemia, urinary incontinence, brain ischemia, multiple sclerosis, Alzheimer's disease, senile dementia of the Alzheimer's type, mild cognitive impairment, age-related cognitive decline, emesis, corticobasal degeneration, dementia pugilistica, Down's syndrome, myotonic dystrophy, Niemann-Pick disease, Pick's disease, prion disease with tangles, progressive supranuclear palsy, lower lateral sclerosis, and subacute sclerosing panencephalitis, which method comprises administering to said mammal a compound of claim 1 and an NMDA receptor antagonist, wherein the combined amounts of the compound of claim 1 and the NMDA receptor antagonist are effective in treating said disease or condition.

41. A pharmaceutical composition for treating a disease or condition selected from stroke, spinal cord trauma, traumatic brain injury, multiinfarct dementia, epilepsy, pain, Alzheimer's disease, and senile dementia in a mammal comprising a compound of claim 1 and a potassium channel modulator together in an amount effective in treating said disorder, and a pharmaceutically acceptable carrier.

42. A method for treating in a mammal a disease or condition selected from stroke, spinal cord trauma, traumatic brain injury, multiinfarct dementia, epilepsy, pain, Alzheimer's disease, and senile dementia, which method comprises administering to said mammal a compound of claim 1 and a potassium channel modulator, wherein the combined amounts of the compound of claim 1 and the potassium channel modulator are effective in treating said disease or condition.

43. A compound of the formula



wherein Prot is a protecting group;

R² is H, F, -CH₃, -CN, or -C(=O)OR⁷;

- 5 wherein R⁷ is selected from H, straight chain or branched (C₁-C₈)alkyl, straight chain or branched (C₂-C₈)alkenyl, straight chain or branched (C₂-C₈ alkynyl), (C₃-C₈)cycloalkyl, (C₄-C₈)cycloalkenyl, (3-8 membered) heterocycloalkyl, (C₅-C₁₁)bicycloalkyl, (C₇-C₁₁)bicycloalkenyl, (5-11 membered) heterobicycloalkyl, (C₆-C₁₄)aryl, and (5-14 membered) heteroaryl, wherein R⁷, is optionally substituted with from one to six substituents independently selected from F, Cl, Br, I, NO₂, -CN, -CF₃, -NR¹⁰R¹¹, -NR¹⁰C(=O)R¹¹, -NR¹⁰C(=O)OR¹¹, -NR¹⁰C(=O)NR¹¹R¹², -NR¹⁰S(=O)₂R¹¹, -NR¹⁰S(=O)₂NR¹¹R¹², -OR¹⁰, -OC(=O)R¹⁰, -OC(=O)OR¹⁰, -OC(=O)NR¹⁰R¹¹, -OC(=O)SR¹⁰, -SR¹⁰, -S(=O)R¹⁰, -S(=O)₂R¹⁰, -S(=O)₂NR¹⁰R¹¹, -C(=O)R¹⁰, -C(=O)OR¹⁰, -C(=O)NR¹⁰R¹¹, and R¹⁰;

- 15 each R¹⁰, R¹¹, and R¹² is independently selected from H, straight chain or branched (C₁-C₈)alkyl, straight chain or branched (C₂-C₈)alkenyl, straight chain or branched (C₂-C₈ alkynyl), (C₃-C₈)cycloalkyl, (C₄-C₈)cycloalkenyl, (3-8 membered) heterocycloalkyl, (C₅-C₁₁)bicycloalkyl, (C₇-C₁₁)bicycloalkenyl, (5-11 membered) heterobicycloalkyl, (C₆-C₁₄)aryl, and (5-14 membered) heteroaryl, wherein R¹⁰, R¹¹, and R¹² are each independently optionally substituted with from one to six substituents independently selected from F, Cl, Br, I, NO₂, -CN, -CF₃, -NR¹³R¹⁴, -NR¹³C(=O)R¹⁴, -NR¹³C(=O)OR¹⁴, -NR¹³C(=O)NR¹⁴R¹⁵, -NR¹³S(=O)₂R¹⁴, -NR¹³S(=O)₂NR¹⁴R¹⁵, -OR¹³, -OC(=O)R¹³, -OC(=O)OR¹³, -OC(=O)NR¹³R¹⁴, -OC(=O)SR¹³, -SR¹³, -S(=O)R¹³, -S(=O)₂R¹³, -S(=O)₂NR¹³R¹⁴, -C(=O)R¹³, -C(=O)OR¹³, -C(=O)NR¹³R¹⁴, and R¹³;

- 25 each R¹³, R¹⁴, and R¹⁵ is independently selected from H, straight chain or branched (C₁-C₈)alkyl, straight chain or branched (C₂-C₈)alkenyl, straight chain or branched (C₂-C₈ alkynyl), (C₃-C₈)cycloalkyl, (C₄-C₈)cycloalkenyl, (3-8 membered) heterocycloalkyl, (C₅-C₁₁)bicycloalkyl, (C₇-C₁₁)bicycloalkenyl, (5-11 membered) heterobicycloalkyl, (C₆-C₁₄)aryl, and (5-14 membered) heteroaryl, wherein R¹³, R¹⁴, and R¹⁵ are each independently optionally substituted with from one to six substituents independently selected from F, Cl, Br, I, NO₂, -CN, -CF₃, -NR¹⁶R¹⁷, -NR¹⁶C(=O)R¹⁷, -NR¹⁶C(=O)OR¹⁷, -NR¹⁶C(=O)NR¹⁷R¹⁸, -NR¹⁶S(=O)₂R¹⁷, -NR¹⁶S(=O)₂NR¹⁷R¹⁸, -OR¹⁶, -OC(=O)R¹⁶, -OC(=O)OR¹⁶, -OC(=O)NR¹⁶R¹⁷, -OC(=O)SR¹⁶, -SR¹⁶, -S(=O)R¹⁶, -S(=O)₂R¹⁶, -S(=O)₂NR¹⁶R¹⁷, -C(=O)R¹⁶, -C(=O)OR¹⁶, -C(=O)NR¹⁶R¹⁷, and R¹⁶

- each R^{16} , R^{17} , and R^{18} is independently selected from H, straight chain or branched (C_1 - C_8)alkyl, straight chain or branched (C_2 - C_8)alkenyl, straight chain or branched (C_2 - C_8)alkynyl, (C_3 - C_8)cycloalkyl, (C_4 - C_8)cycloalkenyl, (3-8 membered) heterocycloalkyl, (C_5 - C_{11})bicycloalkyl, (C_7 - C_{11})bicycloalkenyl, (5-11 membered) heterobicycloalkyl, (C_6 - C_{14})aryl, and (5-14 membered) heteroaryl;
- 5 and n is an integer selected from 1, 2, 3, and 4.

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